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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
				Application Number	10/721922-Conf. #5830
				Filing Date	November 24, 2003
				First Named Inventor	Markus POMPEJUS
				Art Unit	1635
				Examiner Name	Jane Zara
Sheet	1	of	19	Attorney Docket Number	BGI-132CPCN

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
	B1	EP-0204326-A2	12-10-1986	Kyowa Hakko Kogyo Co., Ltd.	
	B2	JP-62232392	10-12-1987	Kyowa Hakko Kogyo Co., Ltd.	Abstr.
	B3	JP-62244382	10-24-1987	Ajinomoto Co., Inc.	Abstr.
	B4	EP-0358940-A1	03-21-1990	Degussa Aktiengesellschaft	
	B5	JP-04278088	10-02-1992	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B6	JP-04330284	11-18-1992	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B7	JP-05030977	02-09-1993	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B8	JP-05056782	03-09-1993	Kyowa Hakko Kogyo Co. Ltd.	Abstr.
	B9	JP-05076352	03-30-1993	Ajinomoto Co., Inc.	Abstr.
	B10	JP-05184366	07-27-1993	Mitsubishi Petrochem Co. Ltd.	Abstr.
	B11	JP-05184371	07-27-1993	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B12	JP-05284970	11-02-1993	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B13	JP-05284972	11-02-1993	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B14	JP-05344881	12-27-1993	Ajinomoto Co., Inc.	Abstr.
	B15	JP-05344893	12-27-1993	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B16	JP-06062866	03-08-1994	Ajinomoto Co., Inc.	Abstr.
	B17	JP-06169780	06-21-1994	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B18	JP-06261766	09-20-1994	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B19	JP-06277067	10-04-1994	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B20	JP-06277073	10-04-1994	Mitsubishi Petrochem Co., Ltd.	Abstr.
	B21	JP-07031476	02-03-1995	Mitsubishi Chem	Abstr.
	B22	JP-07031478	02-03-1995	Mitsubishi Chem	Abstr.
	B23	JP-09028391	02-04-1997	Mitsubishi Chem	Abstr.
	B24	JP-09070291	03-18-1997	Ajinomoto Co., Inc.	Abstr.
	B25	JP-07075578	03-20-1995	Mitsubishi Chem	Abstr.
	B26	JP-07075579	03-20-1995	Mitsubishi Chem	Abstr.
	B27	WO-9519442-A1	07-20-1995	Forschungszentrum Jülich GMGH Möckel	Abstr.
	B28	JP-09224661	09-02-1997	Mitsubishi Chem	Abstr.

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	C1	Ankri, Serge, et al., "Mutations in the <i>Corynebacterium glutamicum</i> Proline Biosynthetic Pathway: a Natural Bypass of the <i>proA</i> Step," <i>Journal of Bacteriology</i> , Vol. 178(15):4412-4419 (1996)			T <sup>2</sup>
	C2	Billman-Jacobe, H., "Nucleotide sequence of a <i>recA</i> gene from <i>Corynebacterium glutamicum</i> ," <i>The Journal of Sequencing and Mapping</i> , Vol. 4:403-404 (1994)			
	C3	Bonamy, Celine, et al., "Identification of IS1206, a <i>Corynebacterium glutamicum</i> IS3-related insertion sequence and phylogenetic analysis," <i>Molecular Microbiology</i> , Vol. 14(3):571-581 (1994)			
	C4	Bonnassie, S., et al., "Nucleotide sequence of the <i>dapA</i> gene from <i>Corynebacterium glutamicum</i> ," <i>Nucleic Acids Research</i> , Vol. 18(21):6421 (1990)			
	C5	Börmann, E.R., et al., "Molecular analysis of the <i>Corynebacterium glutamicum gdh</i> gene encoding glutamate dehydrogenase," <i>Molecular Microbiology</i> , Vol. 6(3):317-326 (1992)			
	C6	Chen, Chian-Chi, et al., "The cloning and nucleotide sequence of a <i>Corynebacterium glutamicum</i> 3-deoxy-D-arabinoheptulosonate-7-phosphate synthase gene," <i>FEMS Microbiology Letters</i> , Vol. 107:223-229 (1993)			
	C7	Cianciotto, Nicholas, et al., "DNA sequence homology between <i>attB</i> -related sites of <i>Corynebacterium diphtheriae</i> , <i>Corynebacterium ulcerans</i> , <i>Corynebacterium glutamicum</i> , and the <i>attP</i> site of <i>γ-Corynephage</i> ," <i>FEMS Microbiology Letters</i> , Vol. 66:299-301 (1990)			
	C8	Correia, Antonio, et al., "Cloning and characterization of an IS-like element present in the genome of <i>Brevibacterium lactofermentum</i> ATCC 13869," <i>Gene</i> , Vol. 170:91-94 (1996)			
	C9	Dusch, Nicole, et al., "Expression of the <i>Corynebacterium glutamicum panD</i> Gene Encoding L-Aspartate-α-Decarboxylase Leads to Pantothenate Overproduction in <i>Escherichia coli</i> ," <i>Applied and Environmental Microbiology</i> , Vol. 65(4):1530-1539 (1999)			
	C10	Eikmanns, Bernhard J., et al., "Nucleotide sequence, expression and transcriptional analysis of the <i>Corynebacterium glutamicum gltA</i> gene encoding citrate synthase," <i>Microbiology</i> , Vol. 140:1817-1828 (1994)			
	C11	Eikmanns, Bernhard J., "Identification, Sequence Analysis, and Expression of a <i>Corynebacterium glutamicum</i> Gene Cluster Encoding the Three Glycolytic Enzymes Glyceraldehyde-3-Phosphate Dehydrogenase, 3-Phosphoglycerate Kinase, and Triosephosphate Isomerase," <i>Journal of Bacteriology</i> , Vol. 174(19):6076-6086 (1992)			
	C12	Eikmanns, Bernhard J., et al., "Cloning, Sequence Analysis, Expression, and Inactivation of the <i>Corynebacterium glutamicum icd</i> Gene Encoding Isocitrate Dehydrogenase and Biochemical Characterization of the Enzyme," <i>Journal of Bacteriology</i> , Vol. 177(3):774-782 (1995)			
	C13	Eikmanns, Bernhard J., et al., "The phosphoenolpyruvate carboxylase gene of <i>Corynebacterium glutamicum</i> : Molecular cloning, nucleotide sequence, and expression," <i>Mol. Gen. Genet.</i> , Vol. 218:330-339 (1989)			
	C14	Fitzpatrick, R., et al., "Construction and characterization of <i>recA</i> mutant strains of <i>Corynebacterium glutamicum</i> and <i>Brevibacterium lactofermentum</i> ," <i>Appl. Microbiol. Biotechnol.</i> , Vol. 42:575-580 (1994)			
	C15	Follettie, Max T., et al., "Molecular Cloning and Nucleotide Sequence of the <i>Corynebacterium glutamicum pheA</i> Gene," <i>Journal of Bacteriology</i> , Vol. 167(2):695-702 (1986)			
	C16	Fouet, Agnes, et al., "Bacillus subtilis sucrose-specific enzyme II of the phosphotransferase system: Expression in <i>Escherichia coli</i> and homology to enzymes II from enteric bacteria," <i>Proc. Natl. Acad. Sci.</i> , Vol. 84:8773-8777 (1987)			

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				Art Unit	1635
				Examiner Name	Jane Zara
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C17	Han, K.-S., et al., "The molecular structure of the <i>Corynebacterium glutamicum</i> threonine synthase gene," <i>Molecular Microbiology</i> , Vol. 4(10):1693-1702 (1990)	
C18	Heery, D.M., et al., "Nucleotide sequence of the <i>Corynebacterium glutamicum trpE</i> gene," <i>Nucleic Acids Research</i> , Vol. 18(23):7138 (1990)	
C19	Heery, D.M., et al., "Cloning of the trp Gene Cluster from a Tryptophan-Hyperproducing Strain of <i>Corynebacterium glutamicum</i> : Identification of a Mutation in the trp Leader Sequence," <i>Applied and Environmental Microbiology</i> , Vol. 59(3):791-799 (1993)	
C20	Heery, David M., et al., "A Sequence from a Tryptophan-Hyperproducing Strain of <i>Corynebacterium glutamicum</i> Encoding Resistance to 5-Methyltryptophan," <i>Biochemical and Biophysical Research Communications</i> , Vol. 201(3):1255-1262 (1994)	
C21	Honrubia, M.P., et al., "Identification, characterization, and chromosomal organization of the <i>ftsZ</i> gene from <i>Brevibacterium lactofermentum</i> ," <i>Mol. Gen. Genet.</i> , Vol. 259:97-104 (1998)	
C22	Ishino, Shuichi, et al., "Nucleotide sequence of the meso-diaminopimelate D-dehydrogenase gene from <i>Corynebacterium glutamicum</i> ," <i>Nucleic Acids Research</i> , Vol. 15(9):3917 (1987)	
C23	Jäger, Wolfgang, et al., "A <i>Corynebacterium glutamicum</i> Gene Conferring Multidrug Resistance in the Heterologous Host <i>Escherichia coli</i> ," <i>Journal of Bacteriology</i> , Vol. 179(7):2449-2451 (1997)	
C24	Jäger, Wolfgang, et al., "A <i>Corynebacterium glutamicum</i> gene encoding a two-domain protein similar to biotin carboxylases and biotin-carboxyl-carrier proteins," <i>Arch. Microbiol.</i> , Vol. 166:76-82 (1996)	
C25	Jakoby, Marc, et al., "Isolation of the <i>Corynebacterium glutamicum glnA</i> gene encoding glutamine synthetase I," <i>FEMS Microbiology Letters</i> , Vol. 154:81-88 (1997)	
C26	Jakoby, Marc, et al., "Nitrogen regulation in <i>Corynebacterium glutamicum</i> : isolation of genes involved and biochemical characterization of corresponding proteins," <i>FEMS Microbiology Letters</i> , Vol. 173:303-310 (1999)	
C27	Jetten, Mike S., et al., "Structural and Functional Analysis of Pyruvate Kinase from <i>Corynebacterium glutamicum</i> ," <i>Applied and Environmental Microbiology</i> , Vol. 60(7):2501-2507 (1994)	
C28	Joliff, G., et al., "Cloning and nucleotide sequence of the <i>csp1</i> gene encoding PS1, one of the two major secreted proteins of <i>Corynebacterium glutamicum</i> : the deduced N-terminal region of PS1 is similar to the <i>Mycobacterium</i> antigen 85 complex," <i>Molecular Microbiology</i> , Vol. 6(16):2349-2362 (1992)	
C29	Kalinowski, J., et al., "Genetic and biochemical analysis of the aspartokinase from <i>Corynebacterium glutamicum</i> ," <i>Molecular Microbiology</i> , Vol. 5(5):1197-1204 (1991)	
C30	Kalinowski, Jörn, et al., "Aspartokinase gene <i>lysC<math>\alpha</math></i> and <i>lysC<math>\beta</math></i> overlap and are adjacent to the aspartate $\beta$ -semialdehyde dehydrogenase gene <i>asd</i> in <i>Corynebacterium glutamicum</i> ," <i>Mol. Gen. Genet.</i> , Vol. 224:317-324 (1990)	
C31	Keilhauer, Carmen, et al., "Isoleucine Synthesis in <i>Corynebacterium glutamicum</i> : Molecular Analysis of the <i>ilvB-ilvN-ilvC</i> Operon," <i>Journal of Bacteriology</i> , Vol. 175(17):5595-5603 (1993)	
C32	Kimura, Eiichiro, et al., "Molecular Cloning of a Novel Gene, <i>dtsR</i> , Which Rescues the Detergent Sensitivity of a Mutant Derived from <i>Brevibacterium lactofermentum</i> ," <i>Biosci. Biotech. Biochem.</i> , Vol. 60(10):1565-1570 (1996)	
C33	Kobayashi, Miki, et al., "Cloning, Sequencing, and Characterization of the <i>ftsZ</i> Gene from Coryneform Bacteria," <i>Biochemical and Biophysical Research Communications</i> , Vol. 236:383-388 (1997)	
C34	Kronemeyer, Wolfgang, et al., "Structure of the <i>gluABCD</i> Cluster Encoding the Glutamate Uptake System of <i>Corynebacterium glutamicum</i> ," <i>Journal of Bacteriology</i> , Vol. 177(5):1152-1158 (1995)	

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C35	Lee, Heung-Shick, et al., "Molecular Characterization of AceB, a Gene Encoding Malate Synthase in <i>Corynebacterium glutamicum</i> ," <i>Journal of Microbiology and Biotechnology</i> , Vol. 4(4):256-263 (1994)	
C36	Lee, Jung-Kee et al., "Nucleotide sequence of the gene encoding the <i>Corynebacterium glutamicum</i> mannose enzyme II and analyses of the deduced protein sequence," <i>FEMS Microbiology Letters</i> , Vol. 119:137-146 (1994)	
C37	Le Marrec, Claire, et al., "Genetic Characterization of Site-Specific Integration Functions of $\phi$ AAU2 Infecting 'Arthrobacter aureus' C70," <i>Journal of Bacteriology</i> , Vol. 178(7):1996-2004 (1996)	
C38	Lepiniec, Loïc, et al., "Sorghum phosphoenolpyruvate carboxylase gene family: structure, function and molecular evolution," <i>Plant Molecular Biology</i> , Vol. 21:487-502 (1993)	
C39	Lichtinger, Thomas, et al., "Biochemical and Biophysical Characterization of the Cell Wall Porin of <i>Corynebacterium glutamicum</i> : The Channel Is Formed by a Low Molecular Mass Polypeptide," <i>Biochemistry</i> , Vol. 37:15024-15032 (1998)	
C40	Ludwig, W., et al., "Phylogenetic relationships of <i>Bacteria</i> based on comparative sequence analysis of elongation factor Tu and ATP-synthase $\beta$ -subunit genes," <i>Antonie van Leeuwenhoek</i> , Vol. 64:285-305 (1993)	
C41	Malubres, Marcos, et al., "Analysis said Expression of the <i>thrC</i> Gene of <i>Brevibacterium lactofermentum</i> and Characterization of the Encoded Threonine Synthase," <i>Applied and Environmental Microbiology</i> , Vol. 60(7):2209-2219 (1994)	
C42	Marcel, T., et al., "Nucleotide sequence and organization of the upstream region of the <i>Corynebacterium glutamicum lysA</i> gene," <i>Molecular Microbiology</i> , Vol. 4(11):1819-1830 (1990)	
C43	Mateos, Luis M., et al., "Nucleotide sequence of the homoserine kinase ( <i>thrB</i> ) gene of <i>Brevibacterium lactofermentum</i> ," <i>Nucleic Acids Research</i> , Vol. 15(9):3922 (1987)	
C44	Mateos, Luis M., et al., "Nucleotide sequence of the homoserine dehydrogenase ( <i>thrA</i> ) gene of <i>Brevibacterium lactofermentum</i> ," <i>Nucleic Acids Research</i> , Vol. 15(24):10598 (1987)	
C45	Matsui, Kazuhiko, et al., "Complete nucleotide and deduced amino acid sequences of the <i>Brevibacterium lactofermentum</i> tryptophan operon," <i>Nucleic Acids Research</i> , Vol. 14(24):10113-10114 (1986)	
C46	Möckel, Bettina, et al., "Functional and Structural Analyses of Threonine Dehydratase from <i>Corynebacterium glutamicum</i> ," <i>Journal of Bacteriology</i> , Vol. 174(24):8065-8072 (1992)	
C47	Molenaar, Douwe, et al., "Biochemical and genetic characterization of the membrane-associated malate dehydrogenase (acceptor) from <i>Corynebacterium glutamicum</i> ," <i>Eur. J. Biochem.</i> , Vol. 254:395-403 (1998)	
C48	Moreau, Sylvia, et al., "Site-specific integration of corynephage $\phi$ 16: construction of an integration vector," <i>Microbiology</i> , Vol. 145:539-548 (1999)	
C49	Moreau, Sylvie, et al., "Analysis of the Integration Functions of $\phi$ 304L: An Integrase Module among Corynephages," <i>Virology</i> , Vol. 255:150-159 (1999)	
C50	O'Gara, James P., et al., "Mutations in the <i>trpD</i> Gene of <i>Corynebacterium glutamicum</i> Confer 5-Methyltryptophan Resistance by Encoding a Feedback-Resistant Anthranilate Phosphoribosyltransferase," <i>Applied and Environmental Microbiology</i> , Vol. 61(12):4477-4479 (1995)	
C51	Oguiza, José A., et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of the <i>lysA</i> Gene in <i>Brevibacterium lactofermentum</i> : Regulation of <i>argS-lysA</i> Cluster Expression by Arginine," <i>Journal of Bacteriology</i> , Vol. 175(22):7356-7362 (1993)	
C52	Oguiza, José A., et al., "Molecular Cloning, DNA Sequence Analysis, and Characterization of the <i>Corynebacterium diphtheriae dtbR</i> Homolog from <i>Brevibacterium lactofermentum</i> ," <i>Journal of Bacteriology</i> , Vol. 177(2):465-467 (1995)	

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C53	Oguiza, José A., et al., "Multiple Sigma Factor Genes in <i>Brevibacterium lactofermentum</i> : Characterization of <i>sigA</i> and <i>sigB</i> ," <i>Journal of Bacteriology</i> , Vol. 178(2):550-553 (1996)
C54	Oguiza, José A., et al., "The <i>galE</i> gene encoding the UDP-galactose 4-epimerase of <i>Brevibacterium lactofermentum</i> is coupled transcriptionally to the <i>dmdR</i> gene," <i>Gene</i> , Vol. 177:103-107 (1996)
C55	O'Regan, Michael, et al., "Cloning and nucleotide sequence of the phosphoenolpyruvate carboxylase-coding gene of <i>Corynebacterium glutamicum</i> ATCC13032," <i>Gene</i> , Vol. 77:237-251 (1989)
C56	Park, Soo-Dong, et al., "Isolation and Analysis of <i>metA</i> , a Methionine Biosynthetic Gene Encoding Homoserine Acetyltransferase in <i>Corynebacterium glutamicum</i> ," <i>Mol. Cells</i> , Vol. 8(3):286-294 (1998)
C57	Park, Yong-Ha, et al., "Phylogenetic Analysis of the Coryneform Bacteria by 5S rRNA Sequences," <i>Journal of Bacteriology</i> , Vol. 169(5):1801-1806 (1987)
C58	Pascual, Cristina, et al., "Phylogenetic Analysis of the Genus <i>Corynebacterium</i> Based on 16S rRNA Gene Sequences," <i>International Journal of Systematic Bacteriology</i> , Vol. 45(4):724-728 (1995)
C59	Pátek, M., et al., "Analysis of the <i>leuB</i> gene from <i>Corynebacterium glutamicum</i> ," <i>Appl Microbiol Biotechnol</i> , Vol. 50:42-47 (1998)
C60	Pátek, Miroslav, et al., "Leucine Synthesis in <i>Corynebacterium glutamicum</i> : Enzyme Activities, Structure of <i>leuA</i> , and Effect of <i>leuA</i> Inactivation on Lysine Synthesis," <i>Applied and Environmental Microbiology</i> , Vol. 60(1):133-140 (1994)
C61	Pátek, Miroslav, et al., "Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif," <i>Microbiology</i> , Vol. 142:1297-1309 (1996)
C62	Pátek, M., et al., "Identification and transcriptional analysis of the <i>dapB</i> -ORF2- <i>dapA</i> -ORF4 operon of <i>Corynebacterium glutamicum</i> , encoding two enzymes involved in L-lysine synthesis," <i>Biotechnology Letters</i> , Vol. 19(11):1113-1117 (1997)
C63	Peoples, O.P., et al., "Nucleotide sequence and fine structural analysis of the <i>Corynebacterium glutamicum hom-thrB</i> operon," <i>Molecular Microbiology</i> , Vol. 2(1):63-72 (1988)
C64	Peter, Heidi, et al., " <i>Corynebacterium glutamicum</i> Is Equipped with Four Secondary Carriers for Compatible Solutes: Identification, Sequencing, and Characterization of the Proline/Ectoine Uptake System, ProP, and the Ectoine/Proline/Glycine Betaine Carrier, EctP," <i>Journal of Bacteriology</i> , Vol. 180(22):6005-6012 (1998)
C65	Peter, Heidi, et al., "Isolation of the <i>putP</i> gene of <i>Corynebacterium glutamicum</i> and characterization of a low-affinity uptake system for compatible solutes," <i>Arch Microbiol</i> , Vol. 168:143-151 (1997)
C66	Peter, Heidi, et al., "Isolation, Characterization, and Expression of the <i>Corynebacterium glutamicum betP</i> Gene, Encoding the Transport System for the Compatible Solute Glycine Betaine," <i>Journal of Bacteriology</i> , Vol. 178(17):5229-5234 (1996)
C67	Peters-Wendisch, Petra G., et al., "Pyruvate carboxylase from <i>Corynebacterium glutamicum</i> : characterization, expression and inactivation of the <i>pyc</i> gene," <i>Microbiology</i> , Vol. 144:915-927 (1998)
C68	Peyret, J.L., et al., "Characterization of the <i>cspB</i> gene encoding PS2, an ordered surface-layer protein in <i>Corynebacterium glutamicum</i> ," <i>Molecular Biology</i> , Vol. 9(1):97-109 (1993)
C69	Pisabarro, Agustin, et al., "A Cluster of Three Genes ( <i>dapA</i> , <i>orf2</i> , and <i>dapB</i> ) of <i>Brevibacterium lactofermentum</i> Encodes Dihydrodipicolinate Synthase, Dihydrodipicolinate Reductase, and a Third Polypeptide of Unknown Function," <i>Journal of Bacteriology</i> , Vol. 175(9):2743-2749 (1993)

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C70	Rainey, Frederick A., et al., "Phylogenetic analysis of the genera <i>Rhodococcus</i> and <i>Nocardia</i> and evidence for the evolutionary origin of the genus <i>Nocardia</i> from within the radiation of <i>Rhodococcus</i> species," <i>Microbiology</i> , Vol. 141:523-528 (1995)	
C71	Ramos, Adoración, et al., "Cloning, sequencing and expression of the gene encoding elongation factor P in the amino-acid producer <i>Brevibacterium lactofermentum</i> ( <i>Corynebacterium glutamicum</i> ATCC 13869)," <i>Gene</i> , Vol. 198:217-222 (1997)	
C72	Reinscheid, Dieter J., et al., "Cloning, sequence analysis, expression and inactivation of the <i>Corynebacterium glutamicum pta-ack</i> operon encoding phosphotransacetylase and acetate kinase," <i>Microbiology</i> , Vol. 145:503-513 (1999)	
C73	Reinscheid, Dieter J., et al., "Characterization of the Isocitrate Lyase Gene from <i>Corynebacterium glutamicum</i> and Biochemical Analysis of the Enzyme," <i>Journal of Bacteriology</i> , Vol. 176(12):3474-3483 (1994)	
C74	Reinscheid, Dieter J., et al., "Malate synthase from <i>Corynebacterium glutamicum</i> : sequence analysis of the gene and biochemical characterization of the enzyme," <i>Microbiology</i> , Vol. 140:3099-3108 (1994)	
C75	Roller, Carsten, et al., "Gram-positive bacteria with a high DNA G+C content are characterized by a common insertion within their 23S rRNA genes," <i>Journal of General Microbiology</i> , Vol. 138:1167-1175 (1992)	
C76	Rossol, Ingrid, et al., "The <i>Corynebacterium glutamicum aecD</i> Gene Encodes a C-S Lyase with $\alpha,\beta$ -Elimination Activity That Degrades Aminoethylcysteine," <i>Journal of Bacteriology</i> , Vol. 174(9):2968-2977 (1992)	
C77	Ruimy, Raymond, et al., "Phylogeny of the Genus <i>Corynebacterium</i> Deduced from Analyses of Small-Subunit Ribosomal DNA Sequences," <i>International Journal of Systematic Bacteriology</i> , Vol. 45(4):740-746 (1995)	
C78	Sahm, Hermann, et al., "D-Pantothenate Synthesis in <i>Corynebacterium glutamicum</i> and Use of <i>panBC</i> and Genes Encoding L-Valine Synthesis for D-Pantothenate Overproduction," <i>Applied and Environmental Microbiology</i> , Vol. 65(5):1973-1979 (1999)	
C79	Sakanyan, Vehary, et al., "Genes and enzymes of the acetyl cycle of arginine biosynthesis in <i>Corynebacterium glutamicum</i> : enzyme evolution in the early steps of the arginine pathway," <i>Microbiology</i> , Vol. 142:99-108 (1996)	
C80	Sano, Konosuke, et al., "Structure and function of the <i>trp</i> operon control regions of <i>Brevibacterium lactofermentum</i> , a glutamic-acid-producing bacterium," <i>Gene</i> , Vol. 53:191-200 (1987)	
C81	Schäfer, Andreas, et al., "Cloning and Characterization of a DNA Region Encoding a Stress-Sensitive Restriction System from <i>Corynebacterium glutamicum</i> ATCC 13032 and Analysis of Its Role in Intergeneric Conjugation with <i>Escherichia coli</i> ," <i>Journal of Bacteriology</i> , Vol. 176(23):7309-7319 (1994)	
C82	Schäfer, Andreas, et al., "The <i>Corynebacterium glutamicum cgII/M</i> gene encoding a 5-cytosine methyltransferase enzyme confers a specific DNA methylation pattern in an McrBC-deficient <i>Escherichia coli</i> strain," <i>Gene</i> , Vol. 203:95-101 (1997)	
C83	Seep-Feldhous, A.H., et al., "Molecular analysis of the <i>Corynebacterium glutamicum lysI</i> gene involved in lysine uptake," <i>Molecular Microbiology</i> , Vol. 5(12):2995-3005 (1991)	
C84	Serebrijski, I., et al., "Multicopy Suppression by <i>asd</i> Gene and Osmotic Stress-Dependent Complementation by Heterologous <i>proA</i> in <i>proA</i> Mutants," <i>Journal of Bacteriology</i> , Vol. 177(24):7255-7260 (1995)	
C85	Serebriiskii, Illya G., et al., "Two new members of the BioB superfamily: cloning, sequencing and expression of <i>bioB</i> genes of <i>Methylobacillus flagellatum</i> and <i>Corynebacterium glutamicum</i> ," <i>Gene</i> , Vol. 175:15-22 (1996)	

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--------------------	-----------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
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C86	Siewe, Ruth M. et al., "Functional and Genetic Characterization of the (Methyl)ammonium Uptake Carrier of <i>Corynebacterium glutamicum</i> ," <i>The Journal of Biological Chemistry</i> , Vol. 271(10):5398-5403 (1996)	
C87	Usuda, Yoshihiro, et al., "Molecular cloning of the <i>Corynebacterium glutamicum</i> (' <i>Brevibacterium lactofermentum</i> ' AJ12036) <i>odhA</i> gene encoding a novel type of 2-oxoglutarate dehydrogenase," <i>Microbiology</i> , Vol. 142:3347-3354 (1996)	
C88	Vertès, Alain A., et al., "Isolation and characterization of IS31831, a transposable element from <i>Corynebacterium glutamicum</i> ," <i>Molecular Microbiology</i> , Vol. 11(4):739-746 (1994)	
C89	von der Osten, C.H., et al., "Molecular cloning, nucleotide sequence and fine-structural analysis of the <i>Corynebacterium glutamicum fda</i> gene: structural comparison of <i>C. glutamicum</i> fructose-1,6-biphosphate aldolase to class I and class II aldolases," <i>Molecular Microbiology</i> , Vol. 3(11):1625-1637 (1989)	
C90	Vrljic, Marina, et al., "A new type of transporter with a new type of cellular function: L-lysine export from <i>Corynebacterium glutamicum</i> ," <i>Molecular Microbiology</i> , Vol. 22(5):815-826 (1996)	
C91	Wachi, M., et al., "A <i>murC</i> gene from coryneform bacteria," <i>Appl Microbiol Biotechnol</i> , Vol. 51:223-228 (1999)	
C92	Wehmeyer, Lutz, et al., "The role of the <i>Corynebacterium glutamicum rel</i> gene in (p)ppGpp metabolism," <i>Microbiology</i> , Vol. 144:1853-1862 (1998)	
C93	Wehrmann, Axel, et al., "Different Modes of Diaminopimelate Synthesis and Their Role in Cell Wall Integrity: a Study with <i>Corynebacterium glutamicum</i> ," <i>Journal of Bacteriology</i> , Vol. 180(12):3159-3165 (1998)	
C94	Wehrmann, Axel, et al., "Analysis of different DNA fragments of <i>Corynebacterium glutamicum</i> complementing <i>dapE</i> of <i>Escherichia coli</i> ," <i>Microbiology</i> , Vol. 140:3349-3356 (1994)	
C95	Wehrmann, Axel, et al., "Functional Analysis of Sequences Adjacent to <i>dapE</i> of <i>Corynebacterium glutamicum</i> Reveals the Presence of <i>aroP</i> , Which Encodes the Aromatic Amino Acid Transporter," <i>Journal of Bacteriology</i> , Vol. 177(20):5991-5993 (1995)	
C96	Yeh, Patrice, et al., "Nucleotide sequence of the <i>lysA</i> gene of <i>Corynebacterium glutamicum</i> and possible mechanisms for modulation of its expression," <i>Mol Gen Genet</i> , Vol. 212:112-119 (1988)	
C97	GenBank Accession No. A09073 for DNA fragment coding for phosphoenolpyruvat carboxylase, recombinant DNA carrying said fragment, strains carrying the recombinant DNA and method for producing L-amino acids using said strains, Bachmann, B. et al, 04/14/2005	
C98	GenBank Accession No. A45579 for Production of L-isoleucine by means of recombinant micro-organisms with deregulated threonine dehydratase, Moeckel, B. et al, 03/07/1997	
C99	GenBank Accession No. A45581, Moeckel, B. et al, "Production of L-Isoleucine by Means of Recombinant Micro-Organisms with Deregulated Threonine Dehydratase." 03/07/97	
C100	GenBank Accession No. A45583, Moeckel, B. et al, "Production of L-Isoleucine by Means of Recombinant Micro-Organisms with Deregulated Threonine Dehydratase." 03/07/97	
C101	GenBank Accession No. A45585, Moeckel, B. et al, "Production of L-Isoleucine by Means of Recombinant Micro-Organisms with Deregulated Threonine Dehydratase." 03/07/97	
C102	GenBank Accession No. A45587 for Production of L-isoleucine by means of recombinant micro-organisms with deregulated threonine dehydratase, Moeckel, B. et al, 03/07/97	
C103	GenBank Accession No. AA011641 for Generation and analysis of 280,000 human expressed sequence tags, Hillier, L. et al, 05/09/97	
C104	GenBank Accession No. AA655226 for The WashU-HHMI Mouse EST Project, Marra, M. et al, 11/04/97	
C105	GenBank Accession No. AA704727 for WashU-NCI human EST Project, Hillier, L. et al, 12/24/97	
C106	GenBank Accession No. AB003132 for Cloning, sequencing, and characterization of the <i>ftsZ</i> gene from coryneform bacteria, Kobayashi, M. et al, 08/04/97	

Examiner Signature	Date Considered
--------------------	-----------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
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C107	GenBank Accession No. AB015023 for A murC gene from coryneform bacteria, Wachi, M. et al, 12/15/01				
C108	GenBank Accession No. AB015853 for Expression in Escherichia coli of a new multidrug efflux pump, MexXY, from Pseudomonas aeruginosa, Mine, T. et al, 08/02/00				
C109	GenBank Accession No. AB018530 for Molecular cloning of a novel gene, dtsR, which rescues the detergent sensitivity of a mutant derived from Brevibacterium lactofermentum, Kimura, E. et al, 10/16/98				
C110	GenBank Accession No. AB018531 for The role of DtsR2 in the glutamate-production in coryneform bacteria, Kimura, E. et al, 10/16/98				
C111	GenBank Accession No. AB020624 for Isolation of the murl gene from Brevibacterium lactofermentum ATCC 13869 encoding D-glutamate racemase, Malathi, K.C. et al, 07/24/99				
C112	GenBank Accession No. AB023377 for Nucleotide sequence of the Corynebacterium glutamicum transketolase gene, Ikeda, M. et al, 02/20/99				
C113	GenBank Accession No. AB024708 for Corynebacterium glutamicum gltBD gene, Kanno, S. et al, 03/13/99				
C114	GenBank Accession No. AB025424 for Brevibacterium lactofermentum ATCC 13869 acn gene for Aconitase, Nakamura, J. et al, 04/03/99				
C115	GenBank Accession No. AB027714 for Cryptic plasmid pCG1 of Corynebacterium glutamicum, Yonetani, Y. et al, 06/01/99				
C116	GenBank Accession No. AB027715 for Plasmid pCG11 of Corynebacterium glutamicum, Yonetani, Y. et al, 06/01/99				
C117	GenBank Accession No. AC004295 for Sequencing of Drosophila chromosome 2R, region 55C1-55C4, Celtniker, S.E. et al, 07/29/98				
C118	GenBank Accession No. AC005019 for Toward a complete human genome sequence, Sulston, J.E. et al, 10/15/03				
C119	GenBank Accession No. AC006044 for Toward a complete human genome sequence, Sulston, J.E. et al, 10/08/03				
C120	GenBank Accession No. AC006474 for The DNA sequence of human chromosome 7, Hillier, L.W. et al, 01/27/04				
C121	GenBank Accession No. AC007084 for Sequencing of Drosophila chromosome 2R, region 43F-44A, Celtniker, S.E. et al, 03/21/01				
C122	GenBank Accession No. AC007739 for The sequence of Homo sapiens BAC clone RP11-91L3, Hou, S. et al, 04/16/05				
C123	GenBank Accession No. AC008403, DOE Joint Genome Institute and Stanford Human Genome Center, for Homo sapiens chromosome 19 clone CTC-273B12, complete sequence, 03/22/03				
C124	GenBank Accession No. AC009298 for The sequence of Homo sapiens BAC clone RP11-1716, Nguyen, C. et al, 04/15/05				
C125	GenBank Accession No. AC010187 for Homo sapiens chromosome 12 clone RP11-389O9, Working Draft Sequence, 40 unordered pieces, Muzny, D.M. et al, 01/08/03				
C126	GenBank Accession No. AC011647 for Homo sapiens chromosome 11, clone RP11-15D18, Birren, B. et al, 06/18/02				
C127	GenBank Accession No. AD000002 for Mycobacterium tuberculosis, Du, L., 12/03/96				
C128	GenBank Accession No. AD000016 for Mycobacterium tuberculosis, Du, L., 12/10/96				
C129	GenBank Accession No. AE000654 for The complete genome sequence of the gastric pathogen Helicobacter pylori, Tomb, J.-F. et al, 04/06/99				
C130	GenBank Accession No. AF001552 for Genome duplications and other features in 12 Mb of DNA sequence from human chromosome 16p and 16q, Loftus, B.J. et al, 01/10/00				
C131	GenBank Accession No. AF005242, Chun, J.Y. et al, "Molecular cloning and analysis of the argC gene from Corynebacterium glutamicum," <i>Biochem. Mol. Biol. Int.</i> , Vol. 46(3):437-447 (1998), 07/23/01				
Examiner Signature				Date Considered	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
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C132	GenBank Accession No. AF005635 for Corynebacterium glutamicum, Reid, S.J. et al, 06/14/99	
C133	GenBank Accession No. AF030405 for Molecular cloning of the histidine biosynthetic genes from Corynebacterium glutamicum, Jung, S.I. et al, 11/13/97	
C134	GenBank Accession No. AF030520, Ko, S.Y. et al, "Molecular cloning of the argG gene from Corynebacterium glutamicum." 11/19/97	
C135	GenBank Accession No. AF031518, Chun, J.Y. et al, "Cloning of the argF gene encoding the ornithine carbamoyltransferase from Corynebacterium glutamicum," <i>Mol. Cells</i> , Vol. 9(3):333-337 (1999), 06/13/01	
C136	GenBank Accession No. AF036932 for Molecular cloning of the aroD gene from Corynebacterium glutamicum, Park, K.-Y. et al, 12/13/97	
C137	GenBank Accession No. AF038548 for Sequence of the Corynebacterium glutamicum pyruvate carboxylase gene, Koffas, M.A. et al, 08/25/00	
C138	GenBank Accession No. AF038651 for The role of the Corynebacterium glutamicum rel gene in (p)ppGpp metabolism, Wehmeier, L. et al, 03/15/01	
C139	GenBank Accession No. AF041436, Ko, S.-Y. et al, "The argR gene of Corynebacterium glutamicum." 01/05/99	
C140	GenBank Accession No. AF045998 for Molecular cloning of the histidine biosynthetic genes from Corynebacterium glutamicum, Jund, S.I. et al, 02/19/98	
C141	GenBank Accession No. AF048764, Park, M.Y. et al, "Molecular cloning of the argH gene encoding argininosuccinate lyase from Corynebacterium glutamicum." 07/01/98	
C142	GenBank Accession No. AF049897, Park, M.Y. et al, "Molecular cloning of the Arginine Biosynthetic Gene from Corynebacterium glutamicum." 07/01/98	
C143	GenBank Accession No. AF050109 for The function of the inhA gene in mycolic acid synthesis of Corynebacterium glutamicum, Sayyada-Hafeez, A. et al, 11/19/02	
C144	GenBank Accession No. AF050166, Kwon, J.H. et al, "Cloning of the histidine biosynthetic genes from Corynebacterium glutamicum: organization and analysis of the hisG and hisE genes," <i>Can. J. Microbiol.</i> , Vol. 46(9):848-855 (2000), 04/26/02	
C145	GenBank Accession No. AF051846 for Corynebacterium glutamicum, Jung, S.I. et al, 03/12/98	
C146	GenBank Accession No. AF052652 for Isolation and Analysis of metaA, a Metionine Biosynthetic Gene Encoding Homoserine Acetyltransferase in Corynebacterium glutamicum, Park, S.-D. et al, 03/19/98	
C147	GenBank Accession No. AF053071 for Cloning and analysis of the aroB gene encoding dehydroquinate synthase from Corynebacterium glutamicum, Han, M.A. et al, 04/26/02	
C148	GenBank Accession No. AF060558 for Corynebacterium glutamicum, Juns, S.I. et al, 04/29/98	
C149	GenBank Accession No. AF086704 for Corynebacterium glutamicum, Kwon, J.H. et al, 02/08/99	
C150	GenBank Accession No. AF114233 for Cloning and molecular analysis of the Corynebacterium glutamicum ASO19 and aroA gene, O'Donohue, M. et al, 02/07/99	
C151	GenBank Accession No. AF116184, Dusch, N. et al, "Expression of the Corynebacterium glutamicum panD gene encoding L-aspartate-alpha-decarboxylase leads to pantothenate overproduction in Escherichia coli," <i>Appl. Environ. Microbiol.</i> , Vol. 65(4):1530-1539 (1999), 05/02/99	
C152	GenBank Accession No. AF124518 for The cloning and phylogenetic analysis of the 3-dehydroquinase gene from Corynebacterium glutamicum, Joy, J. et al, 05/18/99	
C153	GenBank Accession No. AF124600 for Genetic aspects of the prechorismate pathway in Corynebacterium glutamicum, Burke, K.G. et al, 05/04/99	
C154	GenBank Accession No. AF145897 for Comparison of inhA gene of Corynebacterium glutamicum with its mutants and other related species, Hafeez, S. A. et al, 11/19/02	
C155	GenBank Accession No. AF145898 for Comparison of inhA gene for Corynebacterium glutamicum with its mutants and other related species, Hafeez, S.A. et al, 11/19/02	

Examiner Signature	Date Considered
--------------------	-----------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

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C156	GenBank Accession No. AI190741, NCI-CGAP <a href="http://www.ncbi.nlm.nih.gov/ncicgap">http://www.ncbi.nlm.nih.gov/ncicgap</a> , for National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index, 10/28/98	
C157	GenBank Accession No. AJ001436 for Corynebacterium glutamicum is equipped with four secondary carriers for compatible solutes: identification, sequencing, and characterization of the proline/ectoine uptake system, ProP, and the ectoine/proline/glycine betaine carrier, EctP, Peter, H. et al, 11/20/98	
C158	GenBank Accession No. AJ004934, Wehrmann, A. et al, "Different modes of diaminopimelate synthesis and their role in cell wall integrity: a study with Corynebacterium glutamicum," <i>J.Bacteriol.</i> , Vol. 180(12):3159-3165 (1998), 06/17/98	
C159	GenBank Accession No. AJ007732, Jakoby, M.J. et al, "Ammonium uptake in Corynebacterium glutamicum is regulated on the level of expression and enzyme activity." 04/15/05	
C160	GenBank Accession No. AJ010319 for Nitrogen regulation in Corynebacterium glutamicum: isolation of genes involved and biochemical characterization of corresponding proteins, Jakoby, M. et al, 04/15/05	
C161	GenBank Accession No. AJ132968 for Construction and application of new Corynebacterium glutamicum vectors, Jakoby, M.J. et al, 05/04/99	
C162	GenBank Accession No. AJ224946 for Biochemical and genetic characterization of the membrane-associated malate dehydrogenase (acceptor) from Corynebacterium glutamicum, Molenaar, D. et al, 08/11/98	
C163	GenBank Accession No. AJ238250 for Functions of the membrane-associated and cytoplasmic malate dehydrogenases in the citric acid cycle of Corynebacterium glutamicum, Molenaar, D. et al, 12/03/00	
C164	GenBank Accession No. AJ238703 for Biochemical and biophysical characterization of the cell wall porin of Corynebacterium glutamicum: the channel is formed by a low molecular mass polypeptide, Lichtinger, T. et al, 05/07/99	
C165	GenBank Accession No. AL021841, Cole, S.T. et al, "Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence," <i>Nature</i> , Vol. 393(6685):537-544 (1998), 09/02/02	
C166	GenBank Accession No. AL022075 for Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence, Cole, S.T. et al, 09/02/02	
C167	GenBank Accession No. AL022268 for A set of ordered cosmids and a detailed genetic and physical map for the 8 Mb Streptomyces coelicolor A3 (2) chromosome, Redenbach, M. et al, 05/12/02	
C168	GenBank Accession No. AL023591 for Use of an ordered cosmid library to deduce the genomic organization of Mycobacterium leprae, Eiglmeier, K. et al, 04/16/05	
C169	GenBank Accession No. AL035159 for Use of an ordered cosmid library to deduce the genomic organization of Mycobacterium leprae, Eiglmeier, K. et al, 04/16/05	
C170	GenBank Accession No. AL081678 for Arabidopsis thaliana, Salanoubat, M. et al, 06/28/99	
C171	GenBank Accession No. AL096814 for Homo sapiens, Sehra, H., 05/18/05	
C172	GenBank Accession No. AL101527 for Drosophila melanogaster, Genoscope, 07/26/99	
C173	GenBank Accession No. AP000004 for Complete sequence and gene organization of the genome of a hyper-thermophilic archaeabacterium, Pyrococcus horikoshii OT3, Kawarabayasi, Y. et al, 05/27/04	
C174	GenBank Accession No. AP000140 for Homo sapiens 911,949bp genomic DNA of 21q21.2 (Region: LL56-APP Clone Range: B2291C14-R44F3), Hattori, M. et al, 01/08/00	
C175	GenBank Accession No. AP000228 for Homo sapiens 75,698bp genomic DNA of 21q21.2, Hattori, M. et al, 11/20/99	
C176	GenBank Accession No. AQ128685 for Sequence-tagged connectors: A sequence approach to mapping and scanning the human genome, Mahairas, G.G. et al, 09/23/98	

Examiner Signature	Date Considered
--------------------	-----------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

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C177	GenBank Accession No. AQ364540 for A BAC End Sequencing Framework to Sequence the Rice Genome, Wing, R.A. et al, 12/16/99
C178	GenBank Accession No. AQ463737 for Sequence-tagged connectors: A sequence approach to mapping and scanning the human genome, Mahairas, G.G. et al, 04/23/99
C179	GenBank Accession No. B10133 for BAC End Sequences at ATGC, Feng, J. et al, 05/14/97
C180	GenBank Accession No. C97772 for Rice cDNA from callus, Sasaki, T. et al, 04/04/02
C181	GenBank Accession No. D17429 for Isolation and characterization of IS31831, a transposable element from <i>Corynebacterium glutamicum</i> , Vertes, A.A. et al, 02/04/99
C182	GenBank Accession No. D84102 for Molecular cloning of the <i>Corynebacterium glutamicum</i> (' <i>Brevibacterium lactofermentum</i> ' AJ12036) odhA gene encoding a novel type of 2-oxoglutarate dehydrogenase, Usuda, Y. et al, 02/06/99
C183	GenBank Accession No. D84432 for Systematic sequencing of the 283 kb 210 degrees-232 degrees region of the <i>Bacillus subtilis</i> genome containing the skin element and many sporulation genes, Mizuno, M. et al, 02/06/99
C184	GenBank Accession No. D87915 for Molecular cloning and characterization of the obg gene of <i>Streptomyces griseus</i> in relation to the onset of morphological differentiation, Okamoto, S. et al, 02/07/99
C185	GenBank Accession No. E01358 for Production of L-Threonine and L-Isoleucine, Katsumata, R. et al, 09/29/97
C186	GenBank Accession No. E01359 for Production of L-Threonine and L-Isoleucine, Katsumata, R. et al, 09/29/97
C187	GenBank Accession No. E01375 for Tryptophan operon, peptide and protein coded thereby, utilization of Tryptophan operon gene expression and production of Tryptophan, Matsui, K. et al, 09/29/97
C188	GenBank Accession No. E01376 for Tryptophan Operon, Peptide and Protein Coded Thereby, Utilization of Tryptophan Operon Gene Expression and Production of Tryptophan, Matsui, K. et al, 09/29/97
C189	GenBank Accession No. E01377 for Tryptophan Operon, Peptide and Protein Coded Thereby, Utilization of Tryptophan Operon Gene Expression and Production of Tryptophan, Matsui, K. et al, 09/29/97
C190	GenBank Accession No. E03937 for DNA fragment containing gene capable of coding biotin synthetase and its utilization, Hatakeyama, K. et al, 09/29/97
C191	GenBank Accession No. E04040 for Gene Coding Diaminopelargonic Acid Aminotransferase and Desthiobiotin Synthetase and its Utilization, Kohama, K. et al, 09/29/97
C192	GenBank Accession No. E04041 for Gene coding Diaminopelargonic Acid Aminotransferase and Desthiobiotin Synthetase and its Utilization, Kohama, K. et al, 09/29/97
C193	GenBank Accession No. E04307, Kurusu, Y. et al, "Gene DNA coding aspartase and utilization there." 09/29/97
C194	GenBank Accession No. E04376 for Gene Manifestation Controlling DNA, Katsumata, R. et al, 09/29/97
C195	GenBank Accession No. E04377 for Gene Manifestation Controlling DNA, Katsumata, R. et al, 09/29/97
C196	GenBank Accession No. E04484 for Production of L-Phenylalanine by Fermentation, Sotouchi, N. et al, 09/29/97
C197	GenBank Accession No. E05108 for Gene DNA Coding Aspartokinase and its Use, Fugono, N. et al, 09/29/97
C198	GenBank Accession No. E05112 for Gene DNA Coding Dihydrodipicolinic Acid Synthetase and its Use, Hatakeyama, K. et al, 09/29/97
C199	GenBank Accession No. E05776 for Gene DNA Coding Diaminopimelic Acid Dehydrogenase and its Use, Kobayashi, M. et al, 09/29/97

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C200	GenBank Accession No. E05779 for Gene DNA Coding Threonine Synthase and its Use, Kohama, K. et al, 09/29/97
C201	GenBank Accession No. E06110 for Production of L-Phenylalanine by Fermentation Method, Kikuchi, T. et al, 09/29/97
C202	GenBank Accession No. E06111 for Production of L-Phenylalanine by Fermentation Method, Kikuchi, T. et al, 09/29/97
C203	GenBank Accession No. E06146 for Gene Capable of Coding Acetohydroxy Acid Synthase and its, Inui, M. et al, 09/29/97
C204	GenBank Accession No. E06825 for Mutant Aspartokinase Gene, Sugimoto, M. et al, 09/29/97
C205	GenBank Accession No. E06826 for Mutant Aspartokinase Gene, Sugimoto, M. et al, 09/29/97
C206	GenBank Accession No. E06827 for Mutant Aspartokinase Gene, Sugimoto, M. et al, 09/29/97
C207	GenBank Accession No. E07701 for Gene DNA Participating in Integration of Membraneous Protein to, Honno, N. et al, 09/29/97
C208	GenBank Accession No. E08177 for Genetic DNA Capable of Coding Aspartokinase Released from Feedback Inhibition and its Utilization, Sato, Y. et al, 09/29/97
C209	GenBank Accession No. E08178 for Genetic DNA Capable of Coding Aspartokinase Released from Feedback Inhibition and its Utilization, Sato, Y. et al, 09/29/97
C210	GenBank Accession No. E08179 for Genetic DNA Capable of Coding Aspartokinase Released from Feedback Inhibition and its Utilization, Sato, Y. et al, 09/29/97
C211	GenBank Accession No. E08180 for Genetic DNA Capable of Coding Aspartokinase Released from Feedback Inhibition and its Utilization, Sato, Y. et al, 09/29/97
C212	GenBank Accession No. E08181 for Genetic DNA Capable of Coding Aspartokinase Released from Feedback Inhibition and its Utilization, Sato, Y. et al, 09/29/97
C213	GenBank Accession No. E08182 for Genetic DNA Capable of Coding Aspartokinase Released from Feedback Inhibition and its Utilization, Sato, Y. et al, 09/29/97
C214	GenBank Accession No. E08232 for Gene DNA Coding Acetohydroxy Acid Isomeroreductase, Inui, M. et al, 09/29/97
C215	GenBank Accession No. E08234 for Gene DNA Coding for Translocation Machinery of Protein, Asai, Y. et al, 09/29/97
C216	GenBank Accession No. E08643 for DNA Fragment Having Promoter Function in Coryneform Bacterium, Hatakeyama, K. et al, 09/29/97
C217	GenBank Accession No. E08646 for DNA Fragment Having Promoter Function in Coryneform Bacterium, Hatakeyama, K. et al, 09/29/97
C218	GenBank Accession No. E08649, Kohama, K. et al, "DNA fragment having promoter function in coryneform bacterium." 09/29/97
C219	GenBank Accession No. E08900 for DNA Fragment Containig Gene Coding Dihydripicolinic Acid Reductase and Utilization Thereof, Madori, M. et al, 09/29/97
C220	GenBank Accession No. E08901 for DNA Fragment Containing Gene Coding Dihydripicolinic Acid Decarboxylase and Utilization Thereof, Madori, M. et al, 09/29/97
C221	GenBank Accession No. E12594 for Production of L-Tryptophan, Hatakeyama, K. et al, 04/27/98
C222	GenBank Accession No. E12758 for Amplification of Gene Using Artificial Transposon, Moriya, M. et al, 04/27/98
C223	GenBank Accession No. E12759 for Amplification of Gene Using Artificial Transposon, Moriya, M. et al, 04/27/98
C224	GenBank Accession No. E12760 for Amplification of Gene Using Artificial Transposon, Moriya, M. et al, 04/27/98
C225	GenBank Accession No. E12764 for Amplification of Gene Using Artificial Transposon, Moriya, M. et al, 04/27/98

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--------------------	-----------------

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C226	GenBank Accession No. E12767 for Amplification of Gene Using Artificial Transposon, Moriya, M. et al, 04/27/98
C227	GenBank Accession No. E12770 for Amplification of Gene Using Artificial Transposon, Moriya, M. et al, 04/27/98
C228	GenBank Accession No. E12773 for Amplification of Gene Using Artificial Transposon, Moriya, M. et al, 04/27/98
C229	GenBank Accession No. E13655 for Glucose-6-Phosphate Dehydrogenase and DNA Capable of Coding the Same, Hatakeyama, K. et al, 04/27/98
C230	GenBank Accession No. L01508, Mockel, B. et al, "Functional and structural analyses of threonine dehydratase from <i>Corynebacterium glutamicum</i> ," <i>J. Bacteriol.</i> , Vol. 174(24):8065-8072 (1992), 04/26/93
C231	GenBank Accession No. L07603 for The cloning and nucleotide sequence of a <i>Corynebacterium glutamicum</i> 3-deoxy-D-arabinoheptulosonate-7-phosphate synthase gene, Chen, C.C. et al, 04/26/93
C232	GenBank Accession No. L09232 for Isoleucine synthesis in <i>Corynebacterium glutamicum</i> : molecular analysis of the ilvB-ilvN-ilvC operon, Keilhauer, C. et al, 02/23/95
C233	GenBank Accession No. L18874 for <i>Bacillus subtilis</i> sucrose-specific enzyme II of the phosphotransferase system: expression in <i>Escherichia coli</i> and homology to enzymes II from enteric bacteria, Fouet, A. et al, 11/24/94
C234	GenBank Accession No. L27123 for Molecular characterization of aceB, a gene encoding malate synthase in <i>Corynebacterium glutamicum</i> , Lee, H.-S. et al, 06/08/95
C235	GenBank Accession No. L27126, Jetten, M.S., "Structural and functional analysis of pyruvate kinase from <i>Corynebacterium glutamicum</i> ," <i>Appl. Environ. Microbiol.</i> , Vol. 60(7):2501-2507 (1994), 12/07/94
C236	GenBank Accession No. L28760 for Molecular characterisation of acea, a gene encoding isocitrate lyase in <i>corynebacterium glutamicum</i> , Lee, H.-S et al, 02/10/95
C237	GenBank Accession No. L35906, Oguiza, J.A., "Molecular cloning, DNA sequence analysis, and characterization of the <i>Corynebacterium diphtheriae</i> dtbR homolog from <i>Brevibacterium lactofermentum</i> ," <i>J. Bacteriol.</i> , Vol. 177(2):465-467 (1995) 03/06/96
C238	GenBank Accession No. L78820, Eiglmeier, K. et al, "Use of an ordered cosmid library to deduce the genomic organization of <i>Mycobacterium laprae</i> ," <i>Mol. Microbiol.</i> , Vol. 7(2):197-206 (1993) 12/17/01
C239	GenBank Accession No. M13774, Follettie, M.T. et al, "Molecular cloning and nucleotide sequence of the <i>Corynebacterium glutamicum</i> pheA gene," <i>J. Bacteriol.</i> , Vol. 167(2):695-702 (1986), 04/26/93
C240	GenBank Accession No. M16175 for Phylogenetic analysis of the coryneform bacteria by 5S rRNA sequences, Park, Y.H. et al, 04/27/93
C241	GenBank Accession No. M16663 for Structure and function of the trp operon control regions of <i>Brevibacterium lactofermentum</i> , a glutamic-acid producing bacterium, Sano, K. et al, 06/11/01
C242	GenBank Accession No. M16664 for Structure and function of the trp operon control regions of <i>Brevibacterium lactofermentum</i> , a glutamic-acid-producing bacterium, Sano, K. et al, 06/11/01
C243	GenBank Accession No. M25819 for Cloning and nucleotide sequence of the phosphoenolpyruvate carboxylase-coding gene of <i>Corynebacterium glutamicum</i> ATCC13032, O'Regan, M. et al, 12/15/95
C244	GenBank Accession No. M85106 for Gram-positive bacteria with a high DNA G+C content are characterized by a common insertion within their 23S rRNA genes, Roller, C. et al, 04/26/93
C245	GenBank Accession No. M85107 for Gram-positive bacteria with a high DNA G+C content are characterized by a common insertion within their 23S rRNA genes, Roller, C. et al, 04/26/93
C246	GenBank Accession No. M85108 for Gram-positive bacteria with a high DNA G+C content are characterized by a common insertion within their 23S rRNA genes, Roller, C. et al, 04/26/93

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C247	GenBank Accession No. M89931, Rossol, I. et al, "The <i>Corynebacterium glutamicum aecD</i> gene encodes a C-S lyase with alpha, beta-elimination activity that degrades aminoethylcysteine," <i>J. Bacteriol.</i> , Vol. 174(9):2968-2977 (1992), 02/08/02
C248	GenBank Accession No. S59299 for Cloning of the <i>trp</i> gene cluster from a tryptophan-hyperproducing strain of <i>Corynebacterium glutamicum</i> : identification of a mutation in the <i>trp</i> leader sequence, Herry, D.M. et al, 04/13/01
C249	GenBank Accession No. S76966 for Insertion sequence typing of <i>Mycobacterium tuberculosis</i> : characterization of a widespread subtype with a single copy of IS6110, Fomukong, N.G. et al, 05/11/05
C250	GenBank Accession No. U00016 for <i>Mycobacterium leprae</i> , Smith, D.R. et al, 03/01/94
C251	GenBank Accession No. U00018, Smith, D.R., <i>Mycobacterium leprae</i> , Smith, D.R. et al, 03/01/94
C252	GenBank Accession No. U11545 for Complete nucleotide sequence of the <i>Corynebacterium glutamicum</i> ATCC 21850 <i>trpD</i> gene, O'Gara, J.P. et al, 07/08/94
C253	GenBank Accession No. U13922 for Cloning and characterization of a DNA region encoding a stress-sensitive restriction system from <i>Corynebacterium glutamicum</i> ATCC 13032 and analysis of its role in intergeneric conjugation with <i>Escherichia coli</i> , Schafer, A. et al, 02/03/98
C254	GenBank Accession No. U14965 for Molecular cloning and characterization of the <i>recA</i> gene from <i>Corynebacterium glutamicum</i> ASO19, Kerins, S.M. et al, 02/05/99
C255	GenBank Accession No. U31224, Ankri, S. et al, "Mutations in the <i>Corynebacterium glutamicum</i> proline biosynthetic pathway: a natural bypass of the <i>proA</i> step," <i>J. Bacteriol.</i> , Vol. 178(15):4412-4419 (1996), 08/02/96
C256	GenBank Accession No. U31225, Ankri, S. et al, "Mutations in the <i>Corynebacterium glutamicum</i> proline biosynthetic pathway: a natural bypass of the <i>th proA</i> step," <i>J. Bacteriol.</i> , Vol. 178(15):4412-4419 (1996), 08/02/96
C257	GenBank Accession No. U31230, Ankri, S. et al, "Mutations in the <i>Corynebacterium glutamicum</i> proline biosynthetic pathway: a natural bypass of the <i>th proA</i> step," <i>J. Bacteriol.</i> , Vol. 178(15):4412-4419 (1996), 08/02/96
C258	GenBank Accession No. U31281 for Two new members of the <i>bio B</i> superfamily: cloning, sequencing and expression of <i>bio B</i> genes of <i>Methylobacillus flagellatum</i> and <i>Corynebacterium glutamicum</i> , Serebriiskii, I.G. et al, 11/21/96
C259	GenBank Accession No. U35023 for A <i>Corynebacterium glutamicum</i> gene encoding a two-domain protein similar to biotin carboxylases and biotin-carboxyl-carrier proteins, Jager, W. et al, 01/16/97
C260	GenBank Accession No. U43535 for A <i>Corynebacterium glutamicum</i> gene conferring multidrug resistance in the heterologous host <i>Escherichia coli</i> , Jager, W. et al, 04/09/97
C261	GenBank Accession No. U43536 for <i>Corynebacterium glutamicum</i> , Jaeger, W. et al, 03/13/97
C262	GenBank Accession No. U53587 for Utilization of IS1207 for insertional mutagenesis in <i>Corynebacteria</i> , Bonamy, C. et al, 05/06/96
C263	GenBank Accession No. U89648 for <i>Corynebacterium glutamicum</i> , Kim, S.Y. et al, 03/30/99
C264	GenBank Accession No. X04960 for complete nucleotide and deduced amino acid sequences of the <i>Brevibacterium lactofermentum</i> tryptophan operon, Matsui, K. et al, 04/18/05
C265	GenBank Accession No. X07563 for Nucleotide sequence of the <i>lysA</i> gene of <i>Corynebacterium glutamicum</i> and possible mechanisms for modulation of its expression, Yeh, P. et al, 04/18/05
C266	GenBank Accession No. X14234 for The phosphoenolpyruvate carboxylase gene of <i>Corynebacterium glutamicum</i> : molecular cloning, nucleotide sequence, and expression, Eikmanns, B.J. et al, 04/18/05

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C267	GenBank Accession No. X17313 for Molecular cloning, nucleotide sequence and fine-structural analysis of teh Corynebacterium glutamicum fda gene: structural comparison of C. glutamicum fructose-1, 6-biphosphate aldolase to class I and Class II aldolases, von der Osten, C.H. et al, 04/18/05
C268	GenBank Accession No. X53993 for Nucleotide sequence of the dapA gene from Corynebacterium glutamicum, Bonnassie, S. et al, 04/18/05
C269	GenBank Accession No. X54223 for DNA sequence homology between att B-related sites of corynebacterium diphtheriae, Corynebacterium ulcerans, Corynebacterium glutamicum, and the attP site of lambda-corynephage, Cianciotto, N. et al, 12/17/92
C270	GenBank Accession No. X54740 for Nucleotide sequence and organization of the upstream region of the Corynebacterium glutamicum lysA gene, Marcel, T. et al, 04/18/05
C271	GenBank Accession No. X55994 for Nucleotide sequence of the Corynebacterium glutamicum trpE gene, Heery, D.M. et al, 04/18/05
C272	GenBank Accession No. X56037 for The molecular structure of the Corynebacterium glutamicum threonine synthase gene, Han, K.S. et al, 04/18/05
C273	GenBank Accession No. X56075 for DNA sequence homology between att B-related sites of corynebacterium diphtheriae, Corynebacterium ulcerans, Corynebacterium glutamicum, and the attP site of lambda-corynephage, Cianciotto, N. et al, 12/17/92
C274	GenBank Accession No. X57226 for Aspartokinase genes lysC alpha and lysC beta overlap and are adjacent to the aspartate beta-semialdehyde dehydrogenase gene asd Corynebacterium glutamicum, Kalinowski, J. et al, 04/18/05
C275	GenBank Accession No. X59403 for Identification, sequence analysis, and expression of a Corynebacterium glutamicum gene cluster encoding the three glycolytic enzymes glyceraldehyde-3-phosphate dehydrogenase, 3-phosphoglycerate kinase, and triosephosphate isomerase, Eikmanns, B.J. et al, 04/18/05
C276	GenBank Accession No. X59404, Bormann, E.R. et al, "Molecular analysis of the Corynebacterium glutamicum gbh gene encoding glutamate dehydrogenase," <i>Mol. Microbiol.</i> , Vol. 6(3):317-326 (1992), 04/18/05
C277	GenBank Accession No. X60312 for Molecular analysis of the Corynebacterium glutamicum lysI gene involved in lysine uptake, Seep-Feldhaus, A.H. et al, 01/30/92
C278	GenBank Accession No. X66078 for Cloning and nucleotide sequence of the csp1 gene encoding PS1, one of the two major secreted proteins of Corynebacterium glutamicum: the deduced N-terminal region of PS1 is similar to the Mycobacterium antigen 85 complex, Joliff, G. et al, 06/30/93
C279	GenBank Accession No. X66112, Eikmanns, B.J. et al, "Nucleotide sequence, expression and transcriptional analysis of the Corynebacterium glutamicum gltA gene encoding citrate synthase," <i>Microbiology</i> , Vol. 140(pt. 8):1817-1828 (1994), 04/18/05
C280	GenBank Accession No. X67737 for Corynebacterium glutamicum, Eikmanns, B.J. et al, 04/18/05
C281	GenBank Accession No. X69103 for Characterization of the cspB gene encoding PS2, an ordered surface-layer protein in Corynebacterium glutamicum, Peyret, J.L. et al, 09/09/04
C282	GenBank Accession No. X69104 for Identification of IS1206, a Corynebacterium glutamicum IS3-related insertion sequence and phylogenetic analysis, Bonamy, C. et al, 09/09/04
C283	GenBank Accession No. X70584 for In vivo comparison of zidovudine resistance mutations in blood and CSF of HIV-1-infected patients, Wildemann, B. et al, 08/06/95
C284	GenBank Accession No. X70959 for Leucine synthesis in Corynebacterium glutamicum: enzyme activities, structure of leuA, and effect of leuA inactivation on lysine synthesis, Patek, M. et al, 09/09/04
C285	GenBank Accession No. X71489 for Cloning, sequence analysis, expression, and inactivation of the Corynebacterium glutamicum icd gene encoding isocitrate dehydrogenase and biochemical characterization of the enzyme, Eikmanns, B.J. et al, 04/18/05

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--------------------	-----------------

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C286	GenBank Accession No. X72855, Guyonvarch, A. et al, "Glutamate dehydrogenase (gdhA) gene." 04/18/05	
C287	GenBank Accession No. X75083 for A sequence from a tryptophan-hyperproducing strain of <i>Corynebacterium glutamicum</i> encoding resistance to 5-methyltryptophan, Heery, D.M. et al, 08/18/94	
C288	GenBank Accession No. X75085 for Construction and characterization of recA mutant strains of <i>Corynebacterium glutamicum</i> and <i>Brevibacterium lactofermentum</i> , Fitzpatrick, R. et al, 04/18/05	
C289	GenBank Accession No. X75504 for Characterization of the isocitrate lyase gene from <i>Corynebacterium glutamicum</i> and biochemical analysis of the enzyme, Reinscheid, D.J. et al, 04/18/05	
C290	GenBank Accession No. X76875 for Phylogenetic relationships of Bacteria based on comparative sequence analysis of elongation factor Tu and ATP-synthase beta-subunit genes, Ludwig, W. et al, 10/27/94	
C291	GenBank Accession No. X77034 for Phylogenetic relationships of Bacteria based on comparative sequence analysis of elongation factor Tu and ATP-synthase beta-subunit genes, Ludwig, W. et al, 04/18/05	
C292	GenBank Accession No. X77384 for Nucleotide sequence of a recA gene from <i>Corynebacterium glutamicum</i> , Billman-Jacobe, H. et al, 04/18/05	
C293	GenBank Accession No. X78491 for Malate synthase from <i>Corynebacterium glutamicum</i> : sequence analysis of the gene and biochemical characterization of the enzyme, Reinscheid, D.J. et al, 04/18/05	
C294	GenBank Accession No. X80629 for Phylogenetic analysis of the genera <i>Rhodococcus</i> and <i>Nocardia</i> and evidence for the evolutionary origin of the genus <i>Nocardia</i> from within the radiation of <i>Rhodococcus</i> species, Rainey, F.A. et al, 04/01/04	
C295	GenBank Accession No. X81191 for Structure of the gluABCD cluster encoding the glutamate uptake system of <i>Corynebacterium glutamicum</i> , Kronemeyer, W. et al, 04/18/05	
C296	GenBank Accession No. X81379, Wehrmann, A. et al, "Analysis of different DNA fragments of <i>Corynebacterium glutamicum</i> complementing dapE of <i>Escherichia coli</i> ," <i>Microbiology</i> , Vol. 140(pt. 12):3349-3356 (1994), 02/25/03	
C297	GenBank Accession No. X82061 for Phylogeny of the genus <i>Corynebacterium</i> deduced from analysis of small-subunit ribosomal DNA sequences, Ruimy, R. et al, 11/10/95	
C298	GenBank Accession No. X82928 for Multicopy suppression by asd gene and osmotic stress-dependent complementation by heterologous proA in proA mutants, Serebrijski, I. et al, 04/18/05	
C299	GenBank Accession No. X82929 for Multicopy suppression by asd gene and osmotic stress-dependent complementation by heterologous proA in proA mutants, Serebrijski, I. et al, 04/18/05	
C300	GenBank Accession No. X84257 for Phylogenetic analysis of the genus <i>Corynebacterium</i> based on 16S rRNA gene sequences, Pascual, C. et al, 01/09/04	
C301	GenBank Accession No. X85965, Wehrmann, A. et al, "Functional analysis of sequences adjacent to dapE of <i>Corynebacterium glutamicum</i> reveals the presence of aroP, which encodes the aromatic amino acid transporter," <i>J. Bacteriol.</i> , Vol. 177(20):5991-5993 (1995), 11/30/97	
C302	GenBank Accession No. X86157, Sakanyan, V. et al, "Genes and enzymes of the acetyl cycle of arginine biosynthesis in <i>Corynebacterium glutamicum</i> : enzyme evolution in the early steps of the arginine pathway," <i>Microbiology</i> , Vol. 142(Pt. 1):99-108 (1996), 04/18/05	
C303	GenBank Accession No. X86780 for The biosynthetic gene cluster for the polyketide immunosuppressant rapamycin, Schwecke, T. et al, 04/18/05	

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--------------------	-----------------

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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
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C304	GenBank Accession No. X89084 for Cloning, sequence analysis, expression and inactivation of the <i>Corynebacterium glutamicum pta-ack</i> operon encoding phosphotransacetylase and acetate kinase, Reinscheid, D.J. et al, 04/18/05	
C305	GenBank Accession No. X89850 for Genetic characterization of site-specific integration functions of phi AAU2 infecting 'Arthrobacter aureus' C70, Le Marrec, C. et al, 08/08/96	
C306	GenBank Accession No. X90356 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C307	GenBank Accession No. X90357 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C308	GenBank Accession No. X90358 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C309	GenBank Accession No. X90359 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C310	GenBank Accession No. X90360 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C311	GenBank Accession No. X90361 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C312	GenBank Accession No. X90362 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C313	GenBank Accession No. X90363 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C314	GenBank Accession No. X90364 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C315	GenBank Accession No. X90365 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C316	GenBank Accession No. X90366 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C317	GenBank Accession No. X90367 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C318	GenBank Accession No. X90368 for Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
C319	GenBank Accession No. X93513, Siewe, R.M. et al, "Functional and genetic characterization of the (methyl)ammonium uptake carrier of <i>Corynebacterium glutamicum</i> ," <i>J. Biol. Chem.</i> , Vol. 271(10):5398-5403 (1996), 05/29/96	
C320	GenBank Accession No. X93514 for Isolation, characterization, and expression of the <i>Corynebacterium glutamicum betP</i> gene, encoding the transport system for the compatible solute glycine betaine, Peter, H. et al, 09/08/97	
C321	GenBank Accession No. X95649 for Identification and transcriptional analysis of the dapB-ORF2-dapA-ORF4 operon of <i>Corynebacterium glutamicum</i> , encoding two enzymes involved in L-lysine synthesis, Patek, M. et al, 12/21/00	
C322	GenBank Accession No. X96471 for A new type of transporter with a new type of cellular function: L-lysine export from <i>Corynebacterium glutamicum</i> , Vrljic, M. et al, 04/18/05	
C323	GenBank Accession No. X96580, Sahm, H. et al, "D-Pantothenate synthesis in <i>Corynebacterium glutamicum</i> and use of panBC and genes encoding L-valine synthesis for D-pantothenate overproduction," <i>Appl. Environ. Microbiol.</i> , Vol. 65(5):1973-1979 (1999), 04/18/05	
C324	GenBank Accession No. X96962 for Utilisation of IS1207 for insertional mutagenesis in <i>Corynbacteria</i> , Bonamy, C. et al, 07/07/02	

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				Filing Date	November 24, 2003
				First Named Inventor	Markus POMPEJUS
				Art Unit	1635
				Examiner Name	Jane Zara
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	C325	GenBank Accession No. X99289 for Cloning, sequencing and expression of the gene encoding elongation factor P in the amino-acid producer <i>Brevibacterium lactofermentum</i> ( <i>Corynebacterium glutamicum</i> ATCC 13869), Ramos, A. et al, 09/09/04	
	C326	GenBank Accession No. Y00140 for Nucleotide sequence of the homoserine kinase (thr B) gene of <i>Brevibacterium lactofermentum</i> , Mateos, L.M. et al, 09/12/93	
	C327	GenBank Accession No. Y00151 for Nucleotide sequence of the meso-diaminopimelate D-dehydrogenase gene from <i>Corynebacterium glutamicum</i> , Ishino, S. et al, 09/12/93	
	C328	GenBank Accession No. Y00476 for Nucleotide sequence of the homoserine dehydrogenase (thr A) gene of <i>Brevibacterium lactofermentum</i> , Mateos, L.M. et al, 05/05/93	
	C329	GenBank Accession No. Y00546 for Nucleotide sequence and fine structural analysis of the <i>Corynebacterium glutamicum</i> hom-thrB operon, Peoples, O.P. et al, 09/12/93	
	C330	GenBank Accession No. Y08964 for Identification, characterization, and chromosomal organization of the ftsZ gene from <i>Brevibacterium lactofermentum</i> , Honrubia, M.P. et al, 04/18/05	
	C331	GenBank Accession No. Y09163 for Isolation of the putP gene of <i>Corynebacterium glutamicum</i> and characterization of a low-affinity uptake system for compatible solutes, Peter, H. et al, 09/08/97	
	C332	GenBank Accession No. Y09548 for Pyruvate carboxylase from <i>Corynebacterium glutamicum</i> : characterization, expression and inactivation of the pyc gene, Peters-Wendisch, P.G. et al, 04/18/05	
	C333	GenBank Accession No. Y09578 for Analysis of the leuB gene from <i>Corynebacterium glutamicum</i> , Patek, M. et al, 04/18/05	
	C334	GenBank Accession No. Y12472 for Site-specific integration of corynephage phi16: the construction of an integration vector, Moreau, S. et al, 03/05/99	
	C335	GenBank Accession No. Y12537 for <i>Corynebacterium glutamicum</i> is equipped with four secondary carriers for compatible solutes: identification, sequencing, and characterization of the proline/glycine betaine carrier, EctP, Peter, H. et al, 11/17/98	
	C336	GenBank Accession No. Y13221 for Isolation of the <i>Corynebacterium glutamicum</i> glnA gene encoding glutamine synthetase I, Jakoby, M. et al, 08/28/97	
	C337	GenBank Accession No. Y13627 for Identification of novel intergenic repetitive units in a mycobacterial two-component system operon, Supply, P. et al, 04/18/05	
	C338	GenBank Accession No. Y16642 for <i>Corynebacterium glutamicum</i> , Schwinde, J. et al, 04/18/05	
	C339	GenBank Accession No. Y18059 for Analysis of the integration functions of phi304L: an integrase module among corynephages, Moreau, S. et al, 09/29/99	
	C340	GenBank Accession No. Z21501 for A gene encoding arginyl-tRNA synthetase is located in the upstream region of the lysA gene in <i>Brevibacterium lactofermentum</i> : regulation of argS-lysA cluster expression by arginine, Oguiza, J.A. et al, 04/18/05	
	C341	GenBank Accession No. Z21502 for A cluster of three genes (dapA, orf2, and dapB) <i>Brevibacterium lactofermentum</i> encodes dihydriodipicolinate synthase, dihydriodipicolinate reductase, and a third polypeptide of unknown function, Pisabarbo, A. et al, 08/16/93	
	C342	GenBank Accession No. Z29563 for Analysis and expression of the thrC gene of <i>Brevibacterium lactofermentum</i> and characterization of the encoded threonine synthase, Malumbres, M. et al, 04/18/05	
	C343	GenBank Accession No. Z46753 for Phylogeny of <i>Corynebacterium glutamicum</i> , Chun, J. et al, 11/21/94	
	C344	GenBank Accession No. Z49822 for Multiple sigma factor genes in <i>Brevibacterium lactofermentum</i> : characterization of sigA and sigB, Oguiza, J.A. et al, 04/18/05	

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C345	GenBank Accession No. Z49823 for The galE gene encoding the UDP-galactose 4-epimerase of Brevibacterium lactofermentum is coupled transcriptionally to the dmdR gene, Oguiza, J.A. et al, 04/18/05	
C346	GenBank Accession No. Z49824 for Multiple sigma factor genes in Brevibacterium lactofermentum: characterization of sigA and sigB, Oguiza, J.A. et al, 04/18/05	
C347	GenBank Accession No. Z66534 for Cloning and characterization of an IS-like element present in the genome of Brevibacterium lactofermentum ATCC 13869, Correia, A. et al, 07/07/02	
C348	GenBank Accession No. Z77162 for Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence, Cole, S.T. et al, 09/02/02	
C349	GenBank Accession No. Z80226 for Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence, Cole, S.T. et al, 09/02/02	
C350	GenBank Accession No. Z81368, Cole, S.T. et al, "Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence," <i>Nature</i> , Vol. 393(6685):537-544 (1998), 09/02/02	
C351	GenBank Accession No. Z83866 for Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence, Cole, S.T. et al, 09/02/02	
C352	GenBank Accession No. Z98209, Cole, S.T. et al, "Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence," <i>Nature</i> , Vol. 393(6685):537-544 (1998), 08/03/01	
C353	GenBank Accession No. AB015023 for A murC gene from coryneform bacteria, Wachi, M. et al., 02/06/1999	
C354	GenBank Accession No. Y08964, Honrubia, M.P. et al., "Identification, characterization, and chromosomal organization of the ftsZ gene from Brevibacterium lacctofermentum," <i>Mol. Gen. Genet.</i> , Vol. 259(1):97-104 (1998) 10/08/1998	
C355*	GenBank Accession No. AB003132 for Cloning, sequencing, and characterization of the ftsZ gene from coryneform bacteria, Kobayashi, M. et al., 04/15/1997	
C356*	GenBank Accession No. AB015023 for A murC gene from coryneform bacteria, Wachi, M. et al., 05/27/1998	

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